

Red Fluorescent Gelatin Methacryloyl

Cat. No.:	HY-158218	
Target:	Biochemical Assay Reagents	
Pathway:	Others	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	Red Fluorescent Gelatin Methacryloyl

BIOLOGICAL ACTIVITY

Description

Red Fluorescent Gelatin Methacryloyl (Red Fluorescent GelMA) is methacryloyl gelatin (GelMA) with green fluorescence, which is obtained by "grafting" fluorescent molecules on GelMA. Red Fluorescent Gelatin Methacryloyl acts as a scaffold and can be used to engineer tissue analogs from the vasculature to cartilage and bone, allowing cells to proliferate and spread. Red Fluorescent Gelatin Methacryloyl is often used in cell culture, biological 3D printing, tissue engineering, etc^{[1][2]}.

REFERENCES

[1]. Yue K, Trujillo-de Santiago G, Alvarez M M, et al. Synthesis, properties, and biomedical applications of gelatin methacryloyl (GelMA) hydrogels[J]. Biomaterials, 2015, 73: 254-271.

[2]. Klotz B J, Gawlitta D, Rosenberg A J W P, et al. Gelatin-methacryloyl hydrogels: towards biofabrication-based tissue repair[J]. Trends in biotechnology, 2016, 34(5): 394-407.

Caution: Product has not been fully validated for medical applications. For research use only.

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